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PINNACLE-SYSTEM

5. 01

Atty Docket No. A2004015 Raif Kamphausen, et al.

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MAR 0 6 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Avid Technology, Inc.

Serial No.: 10/803,330

Filed: March 17, 2004

Title: DEVICE AND METHOD FOR ELECTRONIC DATA CONVERSION

Examiner: Joshua D. Schneider

# RULE 131 DECLARATION OF SOENKE BRANDT

The undersigned declarant, a co-inventor/co-applicant in the above identified application states:

- I am Senior Hardware Engineer of Avid Development GmbH ("Avid Development"), a subsidiary of Avid Technology, Inc. ("Avid".) I am a co-inventor of the subject matter presently claimed in the above-identified patent application. I have been employed by Avid Development (which is a successor company to Pinnacle Systems GmbH) since September 2000. My duties at Avid Development include the design and development of hardware products. The matters set forth herein are based on my personal knowledge or reference to company records.
- I have reviewed the above application and the amended claims before the
  Examiner and the outstanding PTO Office Action dated 06 September 2007, and
  the machine translation of Japanese Patent No. 2004015181 ("Shingo") used in

Atty Docket No. A2004015 Raif Kamphausen, et al.

rejecting the pending patent claims, and state the following regarding the invention of the present application in relation to prior art.

- The present invention as described and claimed comprises a method for transferring data between a video application, executing in a computer system, and a digital video device.
- I and my co-inventors conceived of and reduced the claimed invention to practice prior to 15 January 2004, the effective date of the Shingo reference.
- 5. Provided as Exhibits hereto are portions of copies of Pinnacle documents, all created prior to the effective date of the Shingo reference, that demonstrate our conception and reduction to practice of the presently claimed invention prior to the effective date of the Shingo reference. In particular:
  - Exhibit A comprises a portion of the first draft of a specification for the "Marvin" project which included the concept of the presently claimed invention;
  - Exhibit B comprises a portion of the specification for the intermediate packet ("command") format between a computer and a converter device;
  - Exhibit C comprises a portion of an engineering change order that
    released to manufacturing a first product containing the presently
    claimed inventive technology. This marks the completion of work on
    this project.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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PINNACLE-SYSTEM

Atty Docket No. A2004015 Raif Kamphausen, et al.

Respectfully submitted,

Dated: March 6, 2008

In re application no. 10/803,330 Exhibit A to Rule 131 declaration of Soenke Brandt Project : MARVIN Date : Editor : Sönke Brandt Page : 1/6

Project Specification - Pinnacle Systems confidential -

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MAR 0 6 2008

1. Project:

MARVIN.

Project Manager:

Rainer Miethling

· Product Manager :

tbd

Revision History				
Version	Changed by/when	Change		
0.1	SB 09	Initial version		
•				

#### 1.1. Overview

MARVIN is the major building block for an external USB 2.0 device with analog audio and video as well as digital Firewire DV/microMV capabilities.

### 1.2. Keyfeature(s)

- ASIC in advanced, low-power 0.18µm process
- USB 2.0 high-speed Interface to PC (480 Mbit/s)
- uncompressed analog video and audio i/o
- IEEE1394-to-USB2-bridge for DV, Digital8, microMV devices
- integrated analog components to drive down costs:
  - o PHYs for USB2, IEEE1394
  - o analog video encoder (optional)
  - o PLLs for audio, IEEE1394 clocks (optional)

Project Specification
Version 0.1 Pinnacle Systems confidential



Project : MARVIN Date : Page : 2 / 6

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	3.2.		
	3.3.	*********	
	3.4.	Supported OS platforms Supported video standards	ì
	3.5.	System requirements	ì
	3.6.	Required certification and approvals	ì
4.	Risks		٠,
5	4. Risks		

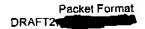
- PINN

In re application no. 10/803,330 Exhibit B to Rule 131 declaration of Socnke Brandt Pinnacle Systems, Inc. Confidential

# Marvin / Floyd USB transmission format



Marvin / Floyd



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.AV MODE"	

### **Revision History**

Date, Version	Changed by	Comments
	SB	Created
<u></u>		

## **Abstract**

This document describes the data structures and packet flow between host PC and Floyd in the so-called "discrete" (i.e. non-ASIC) implementation of Marvin.

Floyd is an integrated circuit holding custom logic. It adds some infrastructure (memory, mostly) for a PCI-based dataflow between Bender and NET2280 inside the external Marvin device.

This document does only describe the *mechanisms* for data exchange between Bender and the host in the discrete Marvin implementation. It does not describe the actual content and structure of this communication flow. For IEEE1394, please refer to the "1394 Open Host Controller Interface Specification" (Release 1.1, January 6, 2000) for further details. For AV data, further details are *tbd*.

In re application no. 10/803,330 Exhibit C to Rule 131 declaration of Soenke Brandt

PINNACLE			Change Control Team  ECO Number: 0407101	
Pinnacle Systems GmbH, G	imony			
Type of Article  ⊠ Hardware  □ Software  □ Documentation  □ Package  □ Sales Article  □ Marketing	Kind of ECO Pilot-Run Mass-Production Release Document Maintenance End of Life	ECR Classification  Emergency  Regular  Temporary	ECO valid for ☐ Plant 2500 ☑ Plant 3000 ☐ Plant 3020 Status ☐ Approved ☐ Rejected	
Status valid for Munich	( Plant 2500 )			
Group	Name	required for	Approved	
Hardware Develop. QAE Product Manager		Approval		
Originator: Frank Peet	ers Request Date:	Signed by:	Release Date: CCT	
Actions  Update of BOM Running Change New Production Work in Process (W Update of Sales Sto Update of RfS Stock Update of Products Obsolete SKU	ck 🛛 Board-Production	Disposition of old part Scrap Rework Use as Is Other (refer Description) Cost		
			New Revision	
Part-Number	Description	Manda V/1 2	01	
203560750 51016552 51015559	Board Moviebox USB2 Deluxe PCB Marvin V1.2 4L (pand FPGA EP1C3 1.5/3.3V Speed	el 2pcs) *	14.1	

Reason of Change / Release Note

Release

Description of Change

Release for mass production